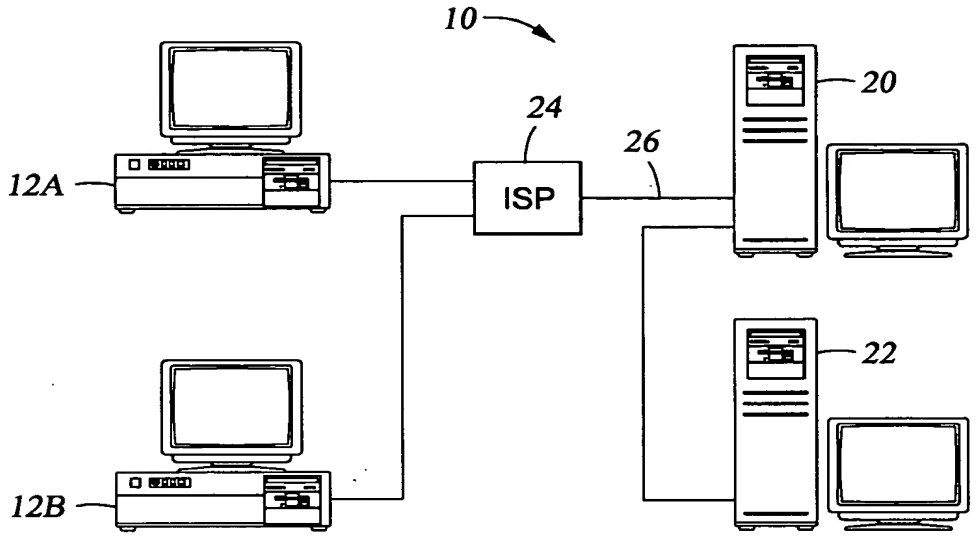
10
12A
ISP
24
26
20
22
12B

Fig. 1

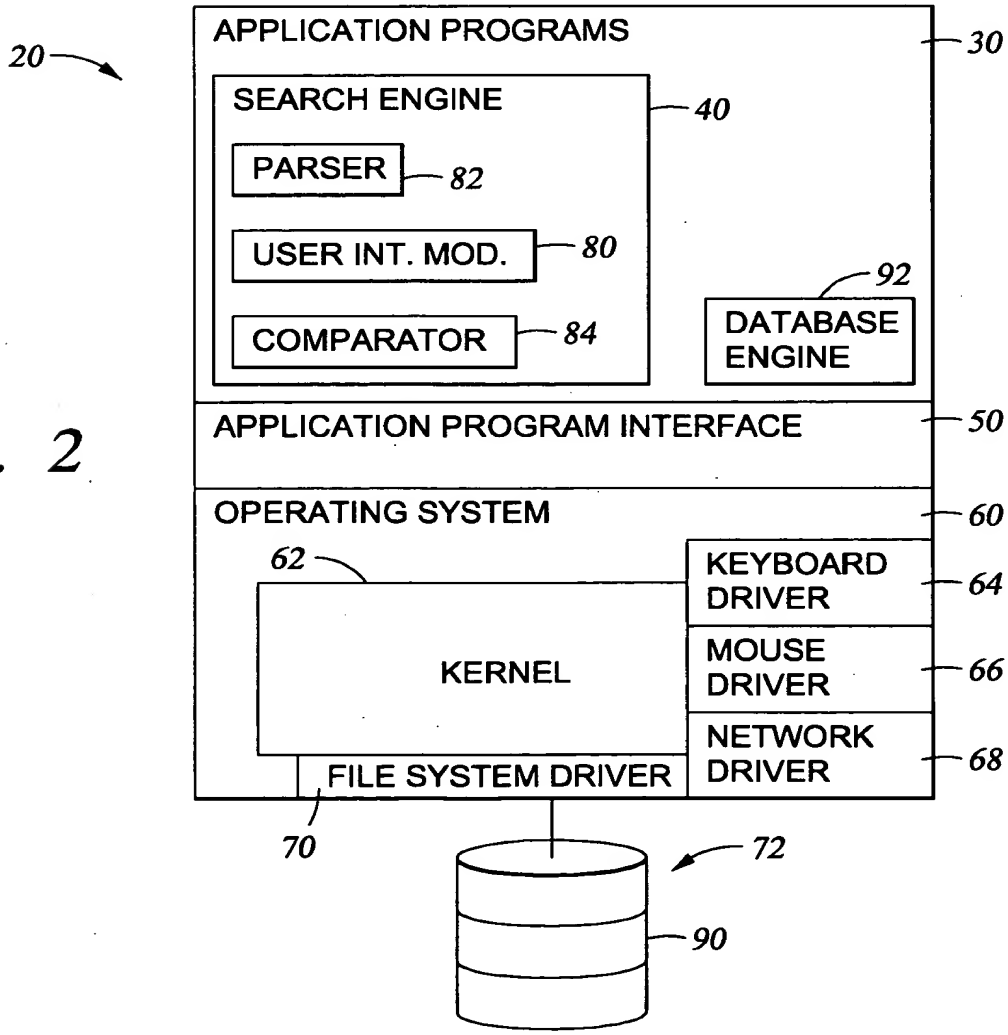
20
APPLICATION PROGRAMS
30
SEARCH ENGINE
40
PARSER
82
USER INT. MOD.
80
COMPARATOR
84
92
DATABASE ENGINE
APPLICATION PROGRAM INTERFACE
50
OPERATING SYSTEM
60
62
KERNEL
KEYBOARD DRIVER
64
MOUSE DRIVER
66
NETWORK DRIVER
68
FILE SYSTEM DRIVER
70
72
90

Fig. 2

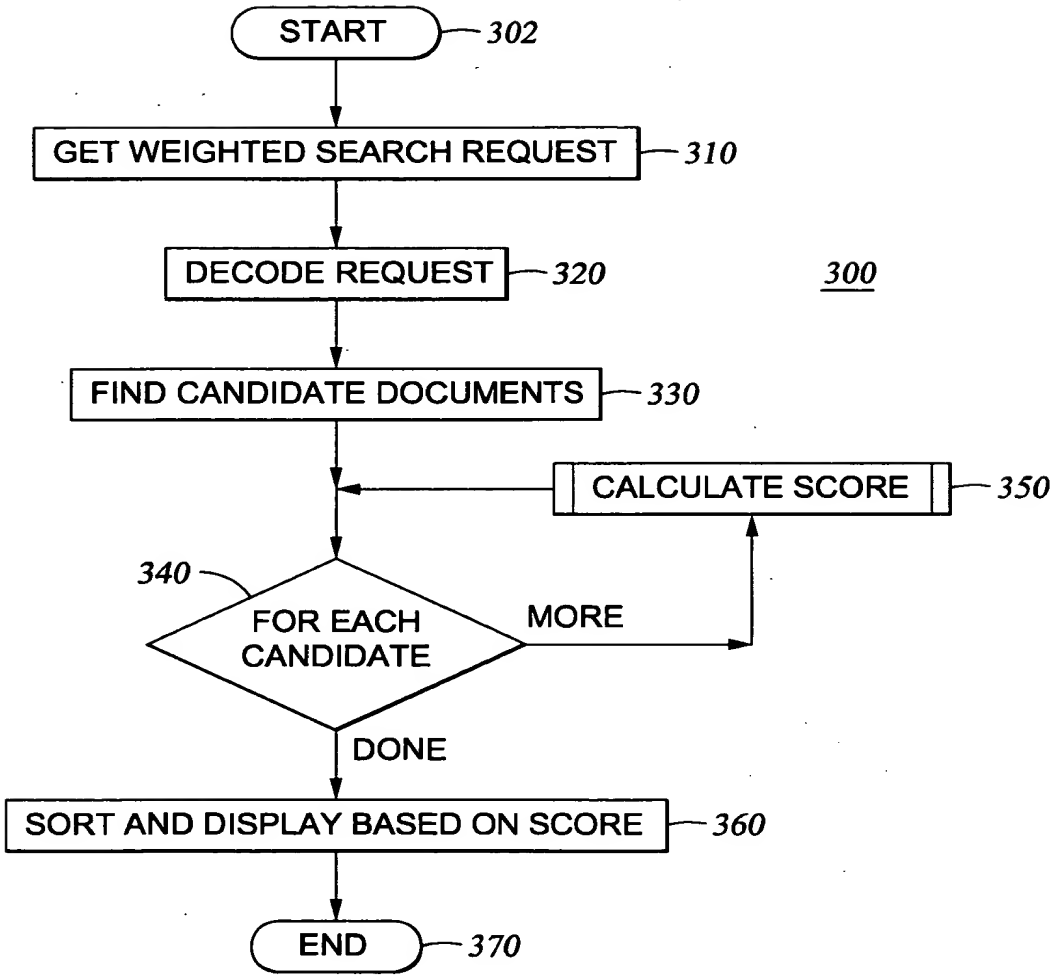
START
302
GET WEIGHTED SEARCH REQUEST
310
DECODE REQUEST
320
300
FIND CANDIDATE DOCUMENTS
330
CALCULATE SCORE
350
340
FOR EACH CANDIDATE
MORE
DONE
SORT AND DISPLAY BASED ON SCORE
360
END
370

Fig. 3

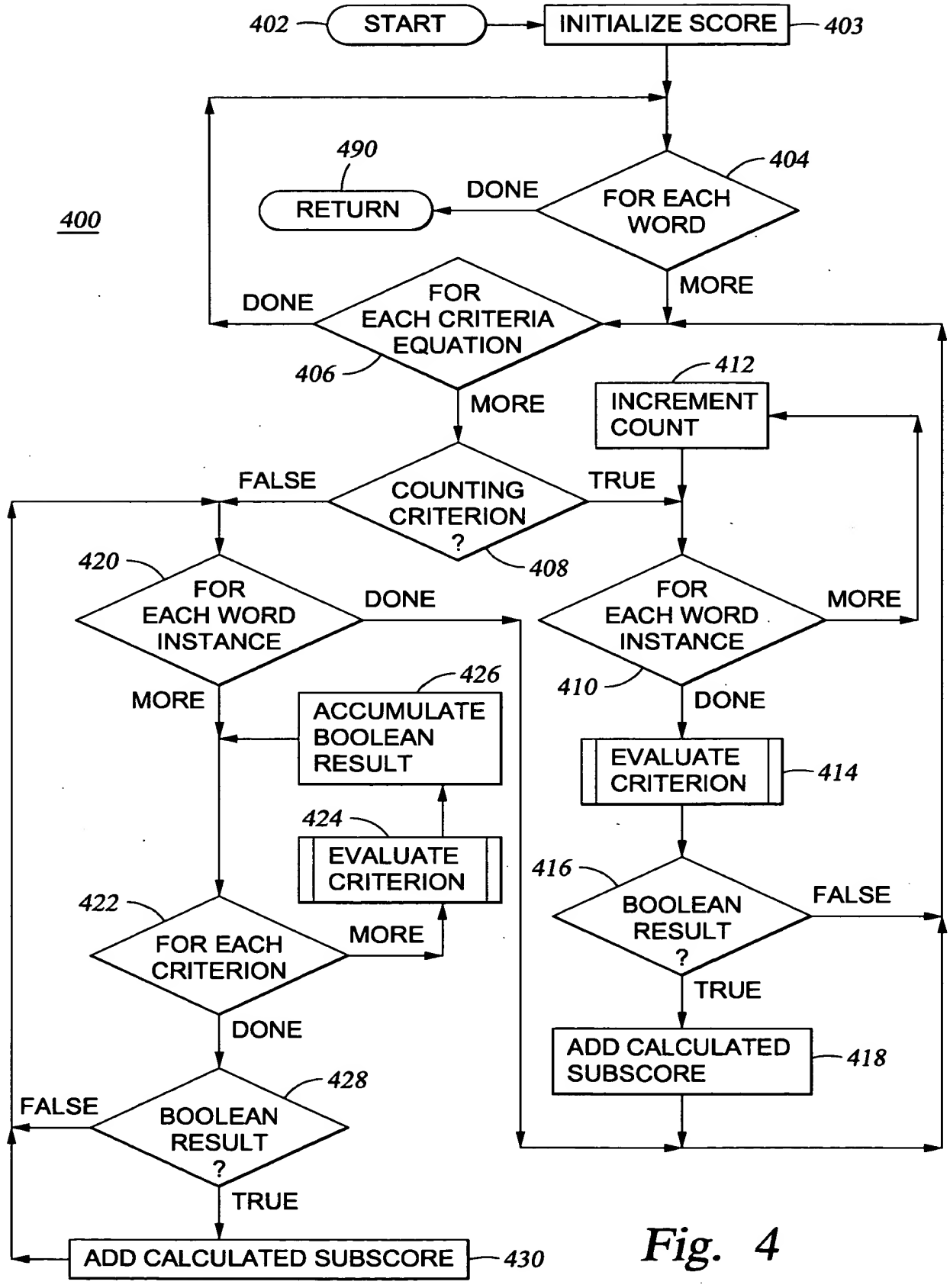
400
402
START
INITIALIZE SCORE
403
404
FOR EACH WORD
DONE
490
RETURN
MORE
406
FOR EACH CRITERIA EQUATION
DONE
MORE
412
INCREMENT COUNT
408
COUNTING CRITERION ?
FALSE
TRUE
420
FOR EACH WORD INSTANCE
DONE
MORE
426
ACCUMULATE BOOLEAN RESULT
424
EVALUATE CRITERION
422
FOR EACH CRITERION
MORE
DONE
428
BOOLEAN RESULT ?
FALSE
TRUE
430
ADD CALCULATED SUBSCORE
410
FOR EACH WORD INSTANCE
MORE
DONE
414
EVALUATE CRITERION
416
BOOLEAN RESULT ?
FALSE
TRUE
418
ADD CALCULATED SUBSCORE

Fig. 4

500

EVALUATE CRITERION	
510 IF CRITERION IS:	520 SET BOOLEAN RESULT TRUE IF:
PRESENCE 522	WORD IS PRESENT IN DOCUMENT 524
MULTIPLES 526	WORD IS PRESENT MORE THAN ONCE IN DOCUMENT 528
MINIMUM(n) 532	WORD IS PRESENT AT LEAST n TIMES IN DOCUMENT 534
BOLD 536	WORD IS CONTAINED IN BOLD MARK-UPS 538
ITALIC 542	WORD IS CONTAINED IN ITALIC MARK-UPS 544
COLOR 546	WORD HAS DIFFERENT COLOR THAN MOST WORDS IN THE DOCUMENT OR PARAGRAPH 548
FONTSIZE 552	WORD HAS DIFFERENT FONT SIZE THAN MOST WORDS IN THE DOCUMENT OR PARAGRAPH 554
FONTFACE 556	WORD HAS DIFFERENT FONT TYPE THAN MOST WORDS IN THE DOCUMENT OR PARAGRAPH 558
HEADER 562	WORD IS PART OF HEADER TEXT 564
CAPTION 566	WORD IS CONTAINED WITHIN A CAPTION OR AS ALTERNATE TEXT OF AN IMAGE 568
ABSTRACT 572	WORD IS CONTAINED IN THE ABSTRACT INFORMATION 574
FOOTNOTE 576	WORD IS PART OF FOOTNOTE TEXT 578
SUMMARY 582	WORD IS PART OF A PARAGRAPH LABELED AS THE SUMMARY 584
TITLE 586	WORD IS PART OF TITLE 588

Fig. 5